

ABITIBI-PRICE INC. MINERAL RESOURCES DIVISION

DIAMOND DRILLING LOG

Start a new page for every new hole, but fill in top portion of form only on first page for each hole.

FILL IN ON
EVERY PAGE

HOLE NO. 2651	PAGE NO. 1
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DRILLING COMPANY		COLLAR ELEVATION 703.6	BEARING OF HOLE FROM TRUE NORTH	TOTAL FOOTAGE 1400'	Depth (feet)	Dip	Azimuth (True)	Correlation	Comments	MAP REFERENCE NO.	CLAIM NO.
HOLE STARTED	DATE COMPLETED	DATE LOGGED May, 1984	LOGGED BY J.G. Thurlow			-90		Hole 2651	Hole 2640		
OPERATION CO., OWNER OR OPTIONEE		CORE SIZE AX	DISPOSITION OF CASING					1228' Mafic Tuff	1120	LOCATION (Twp., Lot, Con. OR Lat. and Long.) R8445 E15106.7	
								1283' U. Arkose	1206		
								1287' Shear	1218		
								1213-34' Basalt	1251-63		
								Major Shear Arkose		PROPERTY NAME	

FOOTAGE FROM	TO	DESCRIPTION Colour, grain size, texture, minerals, alteration, etc.	Sample Footage		Sample Length	Assays				
			From	To		Cu	Pb	Zn	As	Ag
		BEGIN LOG 1172'								
122	1228	Foliated mafic-intermediate tuff - strong planar fabric 70-90° to core - 1194-99' masked felsic rock with diffuse quartz - looks like felsic south of Lucky Strike - 1199-1228' strongly sheared and foliated mafic tuff - fully cored - felsic tuff 1214-1220' - strong shearing persists to bottom contact - sample @ 1213'								
128	1283	Felsic pyroclastic - looks like facies of arkose - brownish to greyish greenish - locally sheared - fairly masked - epidote veining								
83	1287	Masked veined section of mafic and felsic rock - may or may not be a shear								
87	1334	Basaltic volcanics - pillow breccia? - pink calcite amygdulæ, moderate hematization - zones of poor core recovery - 1315-1334' - 2' recovered - some shearing								
34	1400	Sandy siltstone - greyish green with some dark grey discontinuous streaks - considerable soft sediment disruption - 1367-1400' fine grained sandy arkose - poor core recovery								
		1400' END								

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Depth & Lithology	Description	Alteration	Mineralization
0 - 36'	Overburden		
36 - 820	Dacite (to Andesite) tuffs? - may be some flows medium green colour commonly carries quartz and plagioclase grains/crystals moderately foliated at $\approx 70^\circ$ to the core changes in percentage and size of quartz and plag. crystals may reflect original layering 115 - 228 - fragmental - lithic tuff 178 - 188 - dark green mafic fragmental, well foliated 237 - 249 - strongly foliated @ $\approx 70^\circ$ to the core - moderate to strong foliation down to 290' 249 - 256 - light grey, more felsic 267 - $\approx$ 273 - fragmental 332 -348 - strongly foliated - some kink folding 277 - 433 - amygdoidal or spherulitic - fragmental, looks more andesitic but still contains common quartz grains 433 - 485 - strongly foliated at 75° to the core - dark green chloritic - may be somewhat more mafic (andesite) below 485 - more commonly well foliated with short, more massive zones, also more common chloritic - andesitic zones but some quartz throughout 582 - 587 and 599 - 607 - fine grained, dark green mafic volcanic or dyke unfoliated 616 - 820 - mostly very strongly foliated with common kink folding - still dacite to andesite tuffs or flows locally porphyritic with quartz and plagioclase common wisps and stringers of calcite very strongly sheared and foliated over lower 15' lost core over lower 10'	weak chloritic and sericitic alteration of matrix 433 - 820 moderate chloritic and sericitic alteration - likely due to shearing @ 695 - 5" silicified zone	minor disseminated py @ 277 - minor cpy, also locally throughout 672 - 694 $\approx$ 1.4' of core recovered 811 - 821 $\approx$ 3' of core recovered @ 695 - 2-3% py and minor sp-ga over 5" occasional fragments or broken bands of pyritic alteration below 695' very minor sp locally with narrow silicified zones
Thrust fault?			
820 - 849?	Felsic volcanic - rhyolite to dacite green to buff colour	weak chloritic alteration	

HOLE NO. 2651

J. TUACH GEOLOGICAL CONSULTANTS, INC.
DIAMOND DRILL CORE LOG

Depth & Lithology	Description	Alteration	Mineralization
lost core 840 - 856	small quartz and chlorite phenos appears autobrecciated with buff fragments in a more chloritic matrix some weak alignment of chlorite and “shattered” look - may be due to shearing some fault gouge and breccia at lower contact		minor py
Thrust fault?			
849 - 1228	Andesite to dacite tuffs? strongly foliated chloritic rocks - as for above felsic unit fairly common quartz grains or phenos - local plagioclase interbanded porphyritic felsic to intermediate with more mafic units 1071 - 1075 - dacitic quartz porphyry - semi-prominent quartz - some clasts of dacite down to 1080 1107 - 1228 - common interbands of quartz porphyritic dacite or dacite tuff 1137 - 1164 - mainly dacite Dacitic units generally not as well foliated as mafic to intermediate tuff interbands (more resistant to shearing) sheared contact @ 1228	chloritic and sericitic matrix - due to shearing? local short silicified felsic zones i.e. @ 817 - ~ 3" silicified	minor pyrite short silicified zones have 1-2% @ 867 to 1% sp-ga with py in silicified zone @ 1040 minor sp and ga in a small calcite veinlet @ 1073.5 0.5 - 1" band of semi-massive sp-ga also minor sp with calcite @ 1071 @ 1178 minor cpy with vein quartz 1 - 2% pyrite over lower 20'
1228 - 1283	Felsic tuff - and altered arkose in part grey-green colour lithic fragments and k-spar - quartz and plag chips/crystals in a soft sericitic groundmass resembles Buchans River Fm dacite tuff locally may be lower part of Arkose - upper part of Buchans River (i.e. transitional such as some interbedding of tuff and arkose seen in other holes) lower 25' more dacitic lower contact appears conformable, but some lost core between 1279 and 1299	sericitic alteration of groundmass - moderate	
1283 - 1334	Mafic volcanic - fragmental - medium to dark green - locally amygdoidal with pink and white calcite - <u>Sandy Lake Fm.</u> - calcite and epidote stringers - upper 2 - 3' appears brecciated with epidote cement - more likely primary features - becomes progressively more sheared and foliated downhole - foliation ~ 70° to the core 1325 - 1334 - < 3' recovered - fault zone?		<1% pyrite 1325 - 1334
1334 - 1400	Sediments - pale grey-green siltstone mainly soft sediment disruption throughout giving brecciated appearance very similar to bottom of 2772	local black chlorite coating fractures 1352 - 1354 some quartz stockwork veining	very minor pyrite 1352 - 1354 very minor Pb-Zn and py possible barite
	- 1400 E.O.H. -		